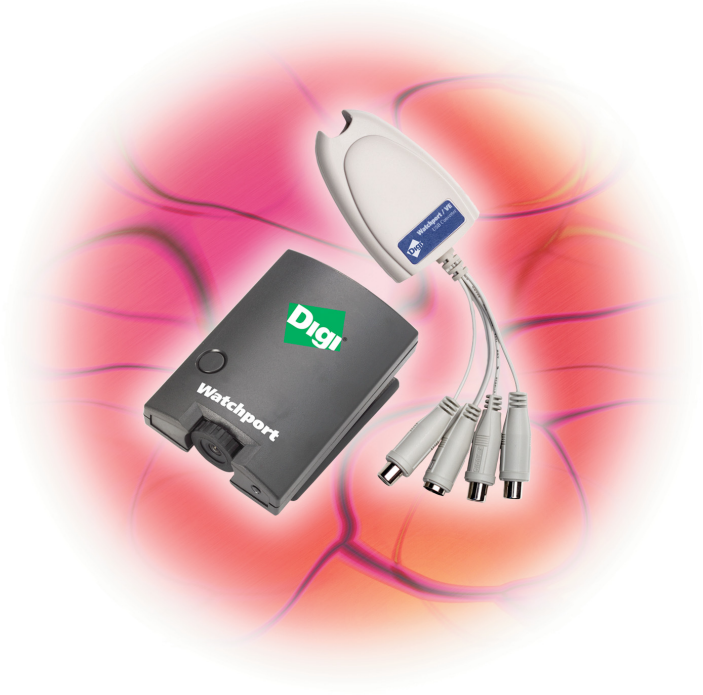
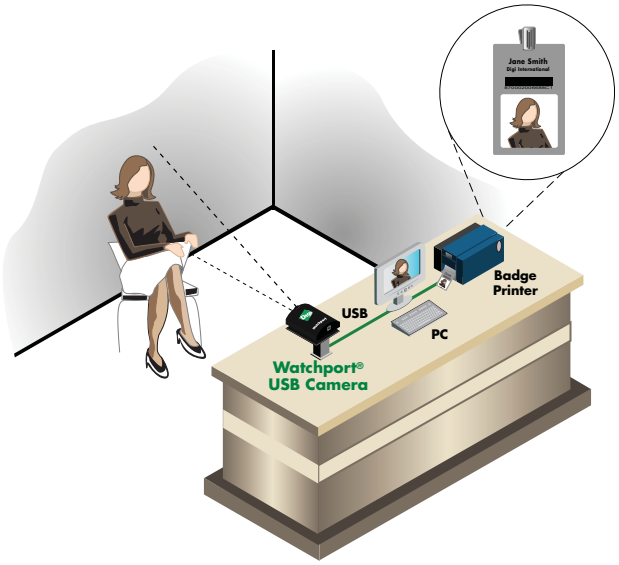
Product Datasheet

Watchport® Vision Series

USB Security and Monitoring Solutions



Create a cost-effective security or asset monitoring system with USB hardware and software vision components.



Features/Benefits

- Ideal for ID badging, access security, surveillance and equipment or other asset monitoring
- Easy to install and configure
- Microsoft® Windows® compatible
- Motion detection software available for remote surveillance that is easy to deploy and monitor
- Facial recognition software available for access security to Windows PC
- Exceptional low light sensitivity
- Non-interlaced model for even higher quality pictures
- Video encoder model for 3rd party cameras
- Plug and Play access over an IP LAN with the AnywhereUSB® network-enabled USB hub
- Access over cellular and IP WANs using the ConnectPort™ WAN, Digi Connect® WAN 3G, ConnectPort™ X4/X8, and ConnectPort™ TS W

Overview

The Watchport Vision Series is a cost-effective line of USB products for security, surveillance and asset monitoring. Vision components for surveillance, including the Watchport USB camera (Watchport/V2, Watchport/V3), video encoder (Watchport/VE), advanced facial recognition software and motion detection software, may be grouped to create a fully customized security monitoring system. The Watchport Vision Series can increase security in data centers, warehouses, information kiosks and other places where critical assets or information is stored.

Optional Watchport/FastAccess software uses facial recognition to dramatically reduce or eliminate the need for login passwords in computer environments where data security is critical and time is of the essence. With its patent-pending advanced facial recognition technology, computer access is quickly and seamlessly granted to authorized users, while transparently securing the data and device as soon as the user steps out of view.

Optional Watchport Sentry or Watchport Console software turns your PC into a single-camera CCTV system. Watchport Sentry/Console captures images from the Watchport USB camera and uses advanced motion detection to trigger recording.

The application possibilities are almost endless. Control access to cash registers in retail points of sale; comply with HIPAA regulations for patient medical data; protect confidential employee information at a human resources kiosk; or monitor critical assets with automatic notification of the presence of possible intruders.

Features/Specifications

FEATURES

Watchport/V2
Watchport/V3

- Ideal for photo ID badging, kiosks, ATMs, access control and general surveillance
- Only USB camera of its kind with Windows NT® drivers
- Advanced facial recognition software for password-free access security
- Motion detection software available to create cost-effective remote monitoring system
- Low light sensitivity: <1 lux
- Adjustable resolutions
  - 1280 x 960 (software enhanced)
  - 640 x 480
  - 352 x 288
  - 320 x 240
  - 176 x 144
  - 160 x 120
  - 128 x 96
- Maximum frame rates by resolution
  - 30 fps at all resolutions
- Removable 4.9 mm lens; F:2.0 adjustable
- Non-interlaced model for even higher quality pictures
- Optional lens pack available
  - 3 mm wide angle (green)
  - 8 mm close-up (red)
  - 12 mm telephoto (blue)
- Optional mounts
  - Wall mount
  - Clamp mount
- Exposure controls
  - Manual and automatic gain and shutter control,
  - Automatic White Balance (AWB)
  - Manual color balance
  - Color saturation
- Color formats: 16.8 million TrueColor (24 bit RGB), YUY2, UYVY
- Motion JPEG compression
- Sensor: color CCD
- Scan frequencies: 60, 50, 30, 25, 15, 12.5, 7.5, 6.25 and 4 Hz
- Shutter rate controls: 1/4 second to over 1/30,000 second

Watchport/VE

- Video encoder to connect conventional 3rd party cameras via USB
- Converts NTSC video streams
- Supports composite and S-type video connections
- Supports external mono or stereo audio devices with dual RCA connectors
- Same drivers and management as Watchport cameras
- Compatible with Watchport Vision Series software products

FEATURES (CONTINUED)

Watchport Sentry Watchport Console

- Automatic detection of motion event in camera field of vision
- Capture of specific object in motion
- Pre-event and post-event recording prevents missing event boundaries
- Sensitivity controls and user-defined masks ensure shadows, clouds and other unwanted motion are not recorded as events
- Scheduling of operation reduces image storage requirements
- Sophisticated alerting functions can send captured images by email, or upload them to a website for remote viewing
- SMS message alerts can also be configured via an external application

Watchport/FastAccess

- Instant facial recognition
- Automatic login without typing
- Automatic logoff when user steps away
- Seamless account switch for new users
- Eliminates password theft
- Centrally managed
- Easily deployed

POWER REQUIREMENTS

- USB-powered (no external power supply required)

ENVIRONMENTAL

- Operating temperature: 32° F to 149° F (0° C to 65° C)
- Relative humidity: 0% to 95% (non-condensing)

OPERATING SYSTEMS

- Windows® XP, Windows XP Embedded
- Windows NT 4.0, Windows NT Embedded
- Windows 2000/Me
- Windows Server™ 2003

DIMENSIONS

Watchport/V2
Watchport/V3

- Length: 3.5 in (9.0 cm)
- Width: 2.5 in (6.4 cm)
- Height: 1.5 in (3.8 cm)
- Weight: 4.5 oz (127.6 g)

Watchport/VE

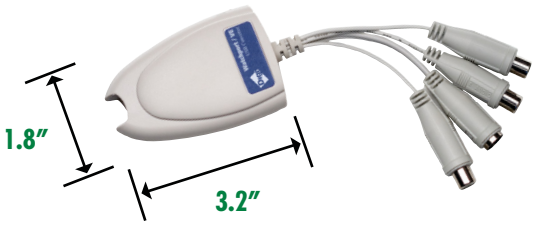
- Length: 3.2 in (8.0 cm) - not including cables
- Width: 1.8 in (4.4 cm)
- Height: 0.8 in (2.0 cm)
- Weight: 1.9 oz (54.0 g)
- Cable lengths: 4.4 in (11.2 cm)

REGULATORY APPROVALS

- FCC Part 15, Class B
- CE
- EN55022
- EN55024
- EN60950
- UL 1950
- CSA 2.2 No. 950
- IEC-950

STANDARDS AND PROTOCOLS

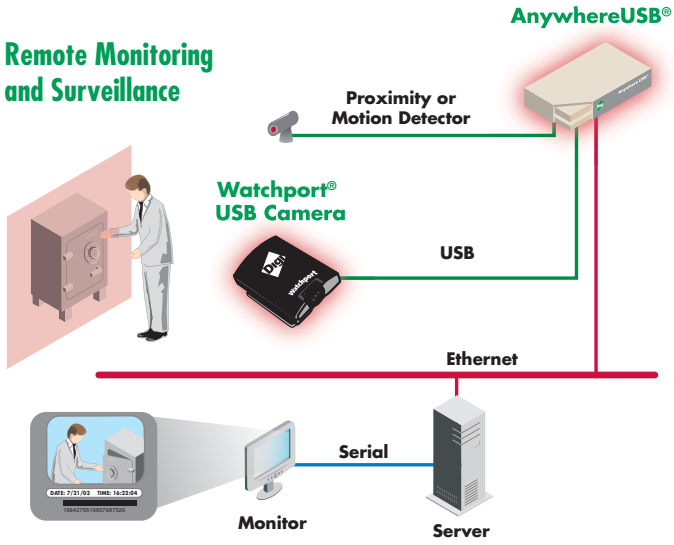
- Microsoft DirectShow WDM
- Microsoft Video for Windows
- TWAIN



Create a Low-Cost Surveillance System with Watchport and Motion Detection Software

Digi makes it easy to create a remote monitoring system to protect an office, warehouse, data room, gas pump, cash register, parking lot or other property. Watchport USB camera plus Watchport Sentry (single camera per host) or Watchport Console (multiple cameras per host) motion detection software offers a cost-effective alternative to CCTV and other remote surveillance solutions.

- Sensitivity controls and user-defined masks eliminate spurious motion detection; compensates for changes in lighting
- Instant playback allows user to review motion captured on a given day
- Automatic zoom
- Automated image archiving or deletion
- Motion map feature displays summary of motion over time
- Time lapse or webcam mode allows user to schedule operating periods for specific times and days of the week
- Name, time and date stamping of recorded images
- Image encryption to detect tampering

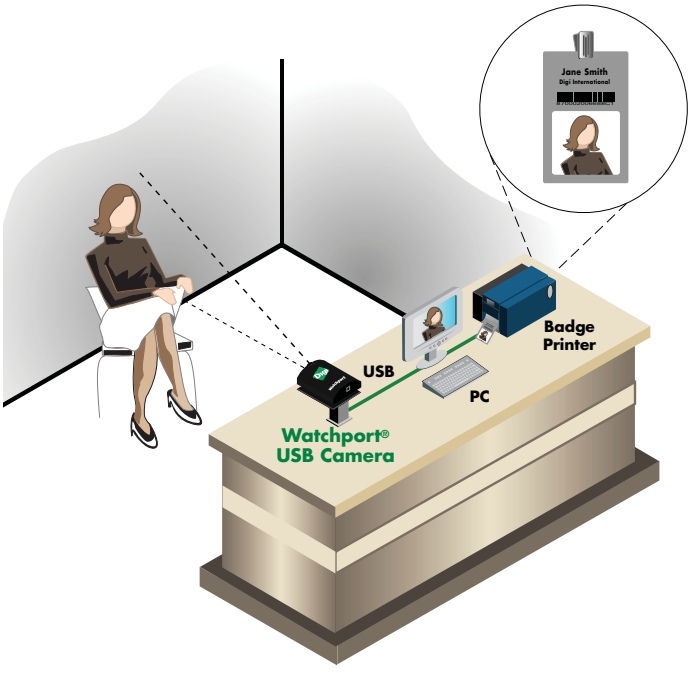


Create Affordable ID Badging Systems with Watchport

Photo ID badging is a popular and effective means of identification in environments such as medical facilities, office buildings, factories and prisons. However, the typical camera and video capture card systems required to use photo ID badging software can be cost-prohibitive.

The Watchport USB camera is an affordable alternative. It is easy to integrate with ID badging software, eliminating expensive cameras and video capture cards for building access control, time and attendance tracking, and even recording employee transactions at the company cafeteria.

- Exceptional low light sensitivity—automatically adjusts to varying light conditions and skin tones, enabling a high volume of photos to be taken in a short period of time
- Compatible with major badging application software packages
- DirectShow and TWAIN/AVI compatibility means easy application integration
- Enterprise-grade solution will be available indefinitely, unlike consumer-grade cameras that require periodic retesting and recertification
- Lower cost than typical camera and video capture card system

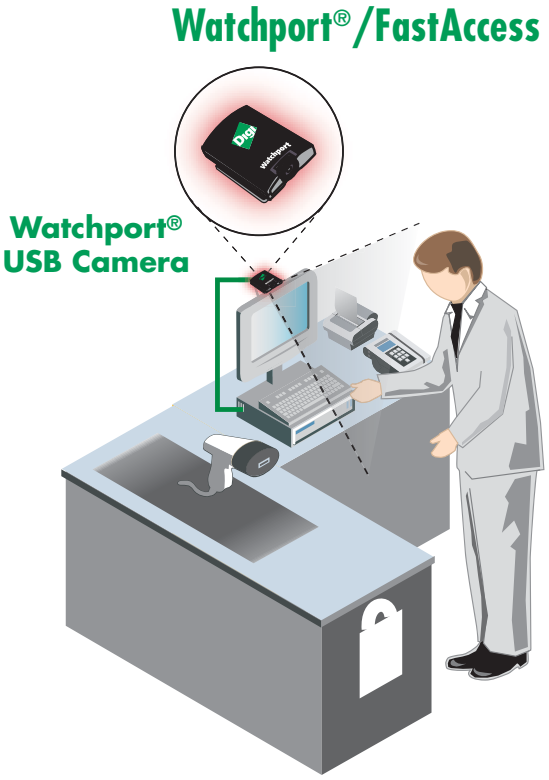


Create a Cost-Effective Access Control System with Watchport USB Camera and Facial Recognition Software

Watchport/FastAccess facial recognition software makes it easy to create a PC access control system without the use of passwords or physical tokens. Passwords are often shared, tokens and badges can be shared and lost, and fingerprint or retinal scanners lack continuous authentication.

Watchport/FastAccess advanced biometric facial recognition provides continuous authentication. Instead of constantly typing account information at the login screen, valid users simply walk up to the computer and are recognized and logged in. Once the user steps out of view, the computer will lock.

- Continuous authentication
- Instant facial recognition
- No password entry required
- No token or card required
- Instant desktop switching among multiple authorized users
- Automatic computer lock when user steps away

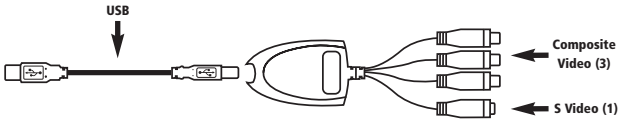


MODEL.....PART NUMBERS

Model	North America	International
Watchport/V2 (USB camera)	301-9010-01	301-9010-01
Watchport/V3 (non-interlaced USB camera)	301-9010-02	301-9010-02
Watchport/VE (USB video encoder)	301-9020-01	301-9020-01*
Watchport/V Lens Package (optional)	301-9015-01	301-9015-01
Watchport/V Wall Mount (optional)	301-9018-01	301-9018-01
Watchport/V Clamp Mount (optional)	301-9019-01	301-9019-01
Watchport Sentry Software License (single camera per host)	301-9026-01	301-9026-01
Watchport Console Software License (2 cameras per host)	301-9027-01	301-9027-01
Watchport Console Plus Software License (4 cameras per host)	301-9028-01	301-9028-01
Watchport Console Extra License (for additional Console connections)	301-9029-01	301-9029-01
Watchport/FastAccess (Watchport/V3 camera, Watchport/FastAccess software)	301-9050-01	301-9050-01

*NTSC only

Watchport/VE USB Video Encoder



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